

What is claimed is:

Claims

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1. An isolated nucleic acid sequence encoding a polypeptide characteristic of hog cholera virus comprising the amino acid sequence about 689-1067 shown in SEQ ID NO: 2 or an antigenic fragment thereof.
2. A nucleic acid sequence according to claim 1 comprising at least part of the DNA sequence about 2428-3564 shown in SEQ ID NO: 1.
3. A recombinant nucleic acid molecule comprising a vector nucleic acid molecule and a nucleic acid sequence according to claim 1 or 2.
4. A recombinant nucleic acid molecule according to claim 3, wherein the nucleic acid sequence is operably linked to expression control sequences.
5. A host cell comprising the recombinant nucleic acid molecule according to claim 3 or 4.
6. A host cell according to claim 5, wherein the host cell is a virus or bacterium.
7. A host cell according to claim 6, wherein the virus is pseudorabies virus or vaccinia.
8. A polypeptide characteristic of hog cholera virus comprising the amino acid sequence about 689-1067 shown in SEQ ID NO: 2 or an antigenic fragment thereof.
9. A polypeptide characteristic of hog cholera virus expressed by the host cell according to claim 5.

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10.A vaccine for the protection of animals against hog cholera virus infection comprising a polypeptide according to claims 8 or 9.

11.A vaccine for the protection of animals against hog cholera virus infection comprising a host cell according to claims 5-7.

12.A method for the preparation of a hog cholera virus vaccine comprising mixing an immunogenically effective amount of a polypeptide according to claims 8 or 9 with a pharmaceutically acceptable carrier.

13.A method for the preparation of a hog cholera virus vaccine comprising growing a host cell according to claims 5-7 in a culture, harvesting the cells and mixing the cells with a pharmaceutically acceptable carrier.

